



World Housing Encyclopedia
Earthquake Engineering Research Institute

Editorial Board Member

Marjana Lutman

Head

Department for Structures

(Member of Section for Earthquake Engineering)

Slovenian National Building and Civil Engineering Institute

(Formerly Institute for Testing and Research in Materials and Structures)

Dimičeva 12

1000 Ljubljana

Slovenia

Phone: + 386 1 280 4410

Fax: + 386 1 280 4484

eMail: marjana.lutman@zag.si

Web:: www.zag.si

Education

B.Sc. in civil engineering, University of Ljubljana, Slovenia, 1985;

M.Sc. in earthquake engineering, University of Ljubljana, Slovenia, 1989;

Marjana has been mostly working in the field of the assessment of structural capacities - general and seismic resistance of existing buildings with prevailing structural types that are used in Slovenia - typical old buildings that have recently been under renovations and reconstructions that are built of masonry walls and different types of floor structures were, as well as newer reinforced concrete structures, built after II World War. On the basis of experience and experimental research work in the Institute, Marjana has prepared some analytical models for the push-over analysis that are used to obtain earthquake resistance and some simplified parametrical methods to estimate seismic resistance of different groups of buildings. After recent earthquakes that hit regions in Slovenia, Marjana carried out some in-situ tests in order to obtain of mechanical capacities of typical stone masonry, that were put into the guidelines for post-earthquake redesign of damaged buildings. Marjana has worked also as reviewer of the post-earthquake redesign process, and as supervisor of retrofit and strengthening works.
